INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18059

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01S 15/02, 15/06, 15/32					
US CL : 367/99, 101, 131					
According to International Patent Classification (IPC) or to both national classification and IPC B. FIBLDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 367/87, 99, 100, 101, 131					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched n/a					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPAT, PG-Pubs, Derwent, Japio, EPO, IEEE, Inspec					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
Α	US 5,949,739 A (REESE) 07 September 1999 (07.09.1999), see entire document 1-30			1-30	
A	US 5,889,490 A (WACHTER et al) 30 March 1999 (30.03.1999), see entire document			1-30	
A	US 4,054,862 A (BACKMAN, Jr.) 18 October 1977 (18.10.1977), see entire document			1-30	
A	US 5,481,504 A (ROSENBACH et al) 02 January 1996, (02.01.1996), see entire document			1-30	
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Further	r documents are listed in the continuation of Box C.		See patent family annex.		
			later document published after the inte		
"A" document defining the general state of the art which is not considered to be of particular relevance			date and not in conflict with the applic the principle or theory underlying the	ation but cited to understand	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"	considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
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"&" document member of the same patent family "P" document published prior to the international filing date but later than the priority date claimed				, mility	
Date of the actual completion of the international search		Date of n	Date of mailing of the international search report		
23 June 2005 (23.06.2005)			AUG 2009 .		
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